

Work Group 3  
**"Pharmacology and Molecular Mechanisms"**  
The Post-Resuscitative and Initial Utility in Life Saving Efforts (PULSE)  
**Workshop**  
June 29-30,2000

**Participant:**

**Ishaiahu Shechter, PhD**

Professor and Chair  
Department: Biochemistry and  
Molecular Biology  
Uniformed Services University

**Donald Landry, MD**

Associate Professor of Medicine  
Columbia University College of  
Physicians and Surgeons

**Jeffrey Blumer, MD**

Professor of Pediatrics  
Case Western Reserve University  
Division of Pediatric Pharmacology  
and Critical Care  
Rainbow Babies and Childrens' Hospital

**Matthew Andrews, PhD**

Associate Professor  
Department of Genetics  
North Carolina State University

**Walter Boron, PhD**

Professor  
Dept. of Cellular & Molecular Physiology  
Yale University

**Bert Boyer, PhD**

Associate Professor of Molecular Biology  
Institute of Arctic Biology  
University of Alaska

**Michael Ezekowitz, MD**

Professor  
Director, Yale Clinical Trials  
Division of Cardiology

**John Hallenbeck, MD**

**Topic:**

**Chair**

Cellular Genetics of Biochemistry

**Co-chair**

Vasopresin in Deficiency States

**Co-chair**

Pediatric Vascular Energetics

Gene and Protein Regulation in  
Hibernation

CO<sub>2</sub> Gas Channels

Research Models of the Hibernation State

Hemostasis Systems

Pharmacology of Cerebral Ischemia

Chief, Stroke Branch  
Clinical Neuroscience Program  
National Institute of Neurological  
Disorders and Stroke

Focus: Neuropeptides

**John Gainer, PhD**  
Professor of Chemical Engineering  
University of Virginia  
Department of Chemical Engineering

Innovative Oxygen Delivery

**Kenneth Mann, MD**  
Professor  
Department of Biochemistry  
College of Medicine  
University of Vermont

Hemostatic Issues

**Richard McCarron, PhD**  
Director  
Resuscitative Medicine Department  
Naval Medical Research Center

Pharmacology of Hibernation

**Sandy Martin, PhD**  
Associate Professor  
Department of Cellular and Structural Biology  
University of Colorado School of Medicine

Research Models and Gene  
Expression in Hibernation

**Anthony Pusateri, PhD**  
Chief  
Laboratory Support Branch  
U.S. Army Institute of Surgical Research

Volume Resuscitation

**Frank Sharp, MD**  
Professor  
Department of Neurology  
Vontz Center for Molecular Studies

Heat Shock Proteins

**Maria Spatz, PhD**  
Chief,  
Section of Neurocytobiology  
National Institute of Neurological  
Disorders and Stroke

Cellular Regulation of Hibernation

**Vladimir Stanek, MD**  
Professor and Chief  
Department of Cardiology  
Institute of Clinical and Experimental  
Medicine  
Czech Republic

**Volker Wenzel, MD**  
The Leopold-Franzens-University of Innsbruck  
Department of Anesthesia and  
Intensive Care Medicine

Vasopresin in the Non-Beating System

+ = overlap with Neurologic Preservation Group

